

WHAT IS CLAIMED IS:

1 1. A method for controlling operating of a vehicle engine with
2 an electronic control module and a throttle control by limiting response to throttle
3 actuation determined to be undesirable, comprising:
4 sensing when said engine is in overspeed operation;
5 responding to said sensing said overspeed operation by inhibiting
6 response to throttle control actuation; and
7 enabling engine braking of said vehicle when said overspeed
8 operation is maintained beyond said responding.

1 2. The invention as described in claim 1 wherein said enabling
2 comprises commanding a reduced engine speed.

1 3. The invention as described in claim 2 wherein said
2 commanding is a fuel adjustment command.

1 4. The invention as described in claim 1 wherein said
2 commanding comprises commanding a powertrain response.

1 5. The invention as described in claim 1 wherein said responding
2 comprises automatically switching a digital input to said electronic control module.

1 6. An engine control for a vehicle with a compression-ignition
2 internal combustion engine that switches engine operation out of a speed range
3 defined between first and second thresholds, the control comprising:
4 a sensor detecting when said engine operation passes an overspeed
5 threshold during actuation of the throttle;
6 a controller input responsive to said detecting for processing a
7 predetermined response of inhibiting response to throttle actuation; and
8 a controller command enabling engine braking when said overspeed
9 condition is maintained after said detecting.

1 7. The invention as described in claim 6 wherein said control
2 comprises a discrete component circuit generating said input to an electronic control
3 module.

1 8. The invention as described in claim 6 wherein said control
2 comprises a software program in an electronic control module.

1 9. A computer readable storage medium having data stored
2 therein representing instructions executable by a computer to control a compression
3 ignition internal combustion engine installed in a vehicle to perform a speed control
4 feature, the computer readable storage medium comprising:
5 instructions for detecting when engine overspeed threshold occurs
6 during throttle actuation;
7 instructions for responding to said detecting by inhibiting response
8 to the actuation; and
9 instructions for commanding reduced vehicle speed by engine
10 braking.

1 10. The invention as described in claim 9 wherein said storage
2 medium comprises instructions including commands for at least one engine
3 operating parameter.

1 11. The invention as described in claim 10 wherein said
2 instructions include commands for at least one powertrain parameter.